SONY

2-635-078-**12** (1)

Trinitron Color TV

Operating Instructions **GB**

- Before operating the unit, please read this manual thoroughly and retain it for future reference.

FD Trinitron
WEGA

KV-BZ21
KV-BZ14

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N50
N40

A Specifications

	KV-BZ21N50	KV-BZ14N40	Note
Power requirements	110-240 V AC, 50/60 Hz		
Power consumption (W)	Indicated on the rear of the TV		
Television system	M		
Color system	NTSC3.58, PAL*, PAL 60*, SECAM*, NTSC 4.43*		* AV IN only
Channel coverage	VHF : 2 to 13 /UHF : 14 to 69 /CATV : 1 to 125		
(Antenna)	75-ohm external terminal		
Audio output (Speaker)	3 W + 3 W	3 W	
Number of terminal			
(Video)	Input: 2 Output: 1	Phono jacks; 1 Vp-p, 75 ohms	
(Audio)	Input: 3 Output: 1	Phono jacks; 500 mVrms	KV-BZ21N50 only
	Input: 2 Output: 1	Phono jacks; 500 mVrms	KV-BZ14N40 only
(Component Video)	Input: 1	Phono jacks; Y: 1 Vp-p, 75 ohms, sync negative C_B: 0.7 Vp-p, 75 ohms C_R: 0.7 Vp-p, 75 ohms	KV-BZ21N50 only
(Headphone)	Output: 1	Stereo minijack	KV-BZ21N50 only
(Earphone)	Output: 1	Monaural minijack	KV-BZ14N40 only
Picture tube	21 in.	14 in.	
Tube size	545 mm	371 mm	Measured diagonally
Viewing screen size	507 mm	335 mm	Measured diagonally
Dimensions (w/h/d)	497 × 468 × 494 mm	374 × 360 × 431 mm	
Mass	23 kg	12 kg	

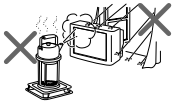
Design and specifications are subject to change without notice.

B WARNING

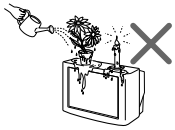
- Dangerously high voltages are present inside the TV.
- TV operating voltage: 110 – 240 V AC.
- Do not plug in the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.
- To avoid battery leakage and damage to the remote, remove the batteries from the remote if you are not going to use it for several days. If any liquid leaks from the batteries and touches your skin, immediately wash it away with water.

For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.

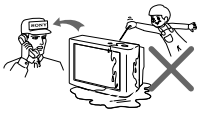
For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.



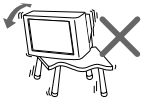
To prevent fire or shock hazard, do not expose the TV to rain or moisture.



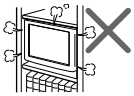
Do not place any objects on the TV. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



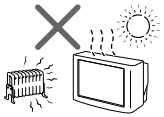
Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.



Install the TV on a stable TV stand and floor which can support the TV set weight. Ensure that the TV stand surface is flat and its area is larger than the bottom area of the TV.

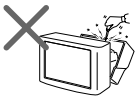


Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such as a bookcase or built-in cabinet.

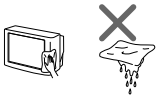


Your TV is recommended for home use only. Do not use the TV in any vehicle or where it may be subject to excessive dust, heat, moisture or vibrations.

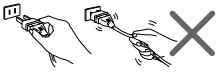
Do not plug in too many appliances to the same power socket. Do not damage the power cord.



Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.

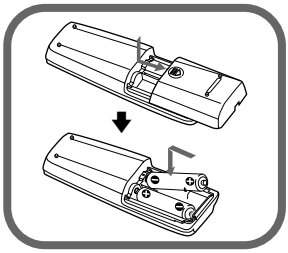


Clean the TV with a dry and soft cloth. Do not use benzine, thinner, or any other chemicals to clean the TV. Do not attach anything (e.g., adhesive tape, cellophane tape, glue) on the painted cabinet of the TV. Do not scratch the picture tube.



Pull the power cord out by the plug. Do not pull the power cord itself. Even if your TV is turned off, it is still connected to the AC power source (mains) as long as the power cord is plugged in. Unplug the TV before moving it or if you are not going to use it for several days.

C Getting Started

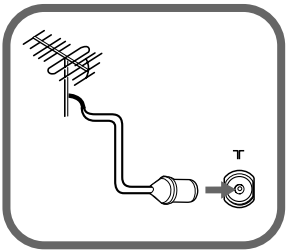


Step 1

Insert the batteries (supplied) into the remote.

Note

• Do not use old or different types of batteries together.

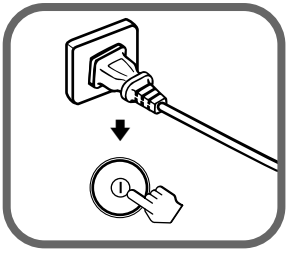


Step 2

Connect the antenna cable (not supplied) to ⅂Γ (antenna input) at the rear of the TV.

Tip

• You can also connect your TV to other optional components (see **F**).



Step 3

Plug in the power cord, then press ⏻ on the TV to turn it on.

Note

• The ⏻ (standby) indicator flashes green for a few seconds when turning on the TV. This does not indicate a malfunction.

Step 4

Set up the TV by following the instructions of the "Initial Setup" menu (see **D**).

D Setting up your TV ("Initial Setup")

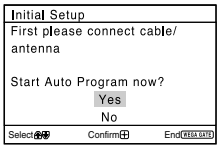
When you turn on your TV for the first time, the "Initial Setup" menu will appear. You may change the menu language, preset the TV channels automatically, edit the channels and adjust the picture position using the buttons on the remote control or TV top control panel.

1 Press ↑ or ↓ to select the desired menu language, then press ⊕.

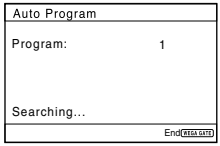
The selected menu language appears.

2 Press ↑ or ↓ to select "Yes", then press ⊕ to preset the channels automatically.

The screen will indicate automatic presetting is in progress.



After all available channels have been tuned and stored, the "Program Edit" menu appears automatically on the screen.



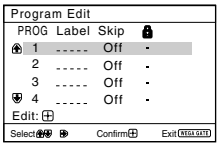
To skip automatic channel presetting, select "No", then press ⊕.

If the message "No channel found. Please connect cable/antenna" appears, check your TV connections, then press ⊕.

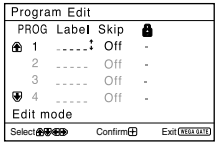
3 The "Program Edit" menu enables you to edit the channels.

a) If you wish to keep the channels in the current condition, press WEGA GATE to exit.

b) Press ↑ or ↓ to select the program number with the channel you wish to change. The selected channel will appear on the screen.



c) If you wish to edit the channels, press ⊕ to change to edit mode.
Press → until the mode that you wish to edit is highlighted: Label, Skip, 🔒 (block symbol). Then press ⊕.

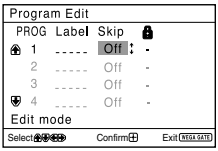


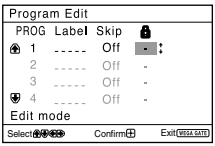
1) To label, press ↑ or ↓ to select the alphanumeric characters for the label. Then press ⊕.

2) To skip the program number, press ↑ or ↓ to select "On". Then press ⊕.

   You can skip this program number when using PROG +/-.

3) To block unwanted program number, press ↑ or ↓ to select 🔒. Then press ⊕.



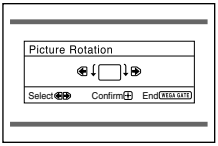


d) Repeat step b) to c) if you wish to change other channels.

Press WEGA GATE to go to the next menu.

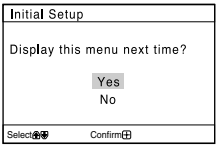
4 Press ← or → to adjust the bars on the top and bottom of the menu if they are slanted, then press ⊕ (KV-BZ21N50 only).

If no adjustment is necessary, then press ⊕.



5 To prevent this "Initial Setup" menu from appearing again when you turn on the TV by pressing ⏻, press ↑ or ↓ to select "No", then press ⊕.

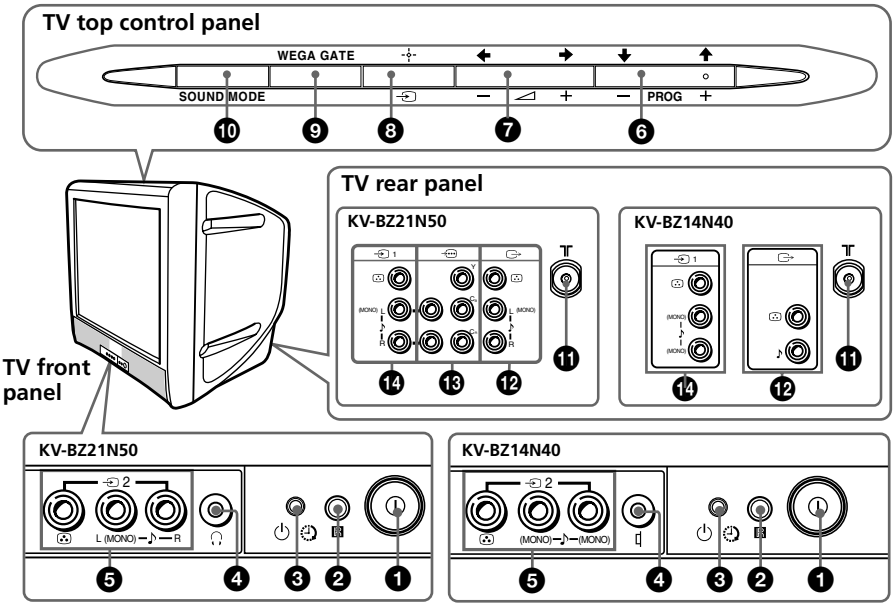
To allow this menu to appear again, select "Yes", then press ⊕.



Tip

- You can immediately go to the end of the "Initial Setup" menu by pressing WEGA GATE.

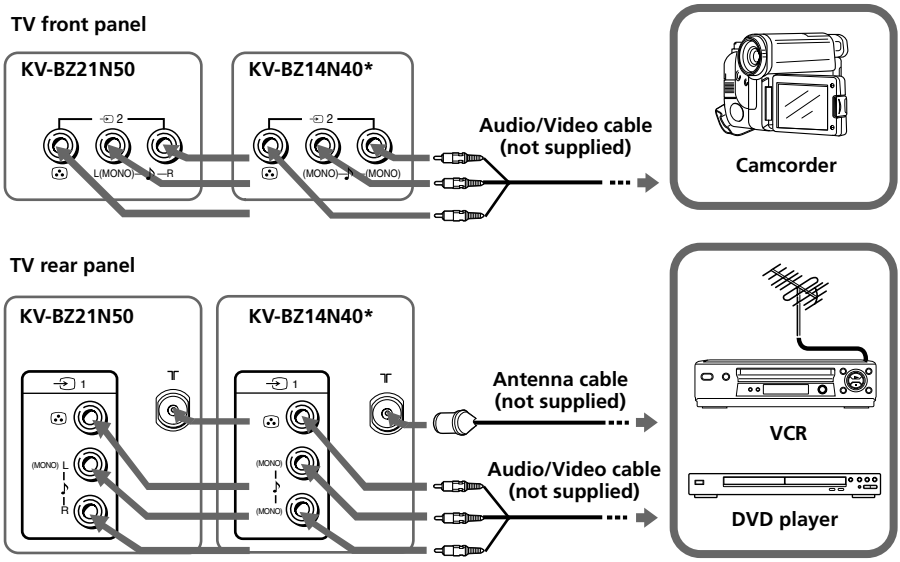
E TV top control, front and rear panels



Button/Terminal	Function	See
❶ ⏻	Turn off or turn on the TV.	C
❷	Remote control sensor.	-
❸	Wake Up indicator.	H
❸ ⏻	Standby indicator.	C
❹	Headphone jack.	-
❹	Earphone jack.	-
❺ 2	Video input terminal 2.	F
❻ PROG +/–	Select program number.	-
❼ +/–	Adjust volume.	-
❽	Select TV or video input.	F
WEGA GATE menu operations		
❻,❼ ↑,↓,←,→	Select and adjust items.	I
❽	Confirm selected items.	I
❾ WEGA GATE	Display or cancel WEGA GATE menu.	I
❿ SOUND MODE (KV-BZ21N50 only)	Select sound mode options with a 5-Band Graphic Equalizer display.	H
⓫	Antenna input terminal.	F
⓬	Monitor output terminal.	F
⓭	Component video input terminal.	F
⓮ 1	Video input terminal 1.	F

F Connecting optional components

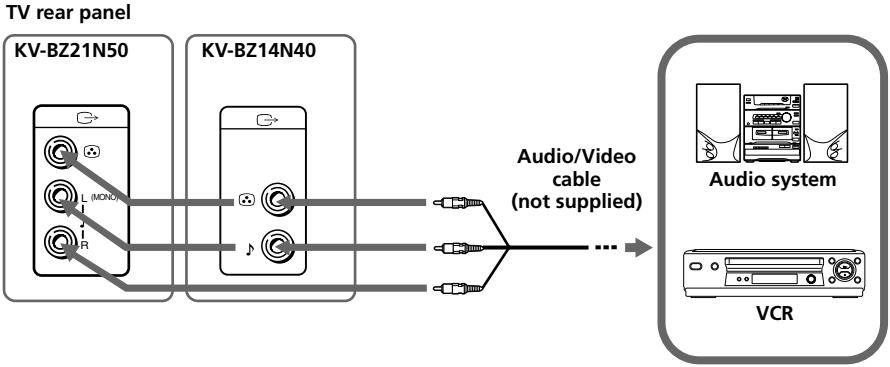
Connecting to the video input terminal ( )



* Sound Mix Terminal (KV-BZ14N40 only)

You can connect the audio L and R jacks from your AV equipment to both ♪ (MONO) jacks on the TV to enjoy mixed left and right sound. If you do not prefer the mixed sound, disconnect either one of the ♪ (MONO) jacks.

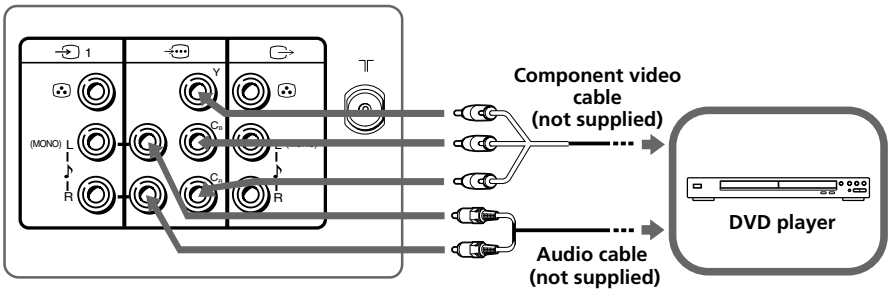
Connecting to the monitor output terminal ( )



Connecting to the component video input terminal ( )

▶ KV-BZ21N50 only

TV rear panel



Notes

- If your DVD player can output interlace and progressive mode signals, select the interlace output when connecting to (component video input) on your TV. Your TV can receive either 525i/60Hz or 625i/50Hz interlace signals.
- The component video terminals on your DVD player are sometimes labeled Y/C_B/C_R, Y/P_B/P_R, Y/C_b/C_r or Y/B-Y/R-Y.
- If you select "DVD" on your TV screen, the signal from the (monitor output) jacks will not be output properly. This does not indicate a malfunction.

G Troubleshooting

If you find any problem while viewing your TV, you can either use the "Factory Settings" function or check the Troubleshooting guide below. If the problem persists, contact your Sony dealer.

"Factory Settings" function

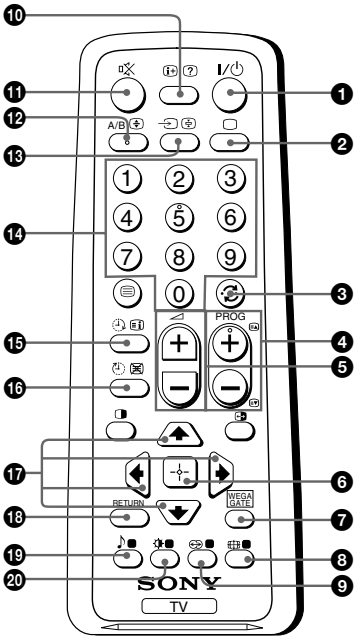
Press the WEGA GATE button. Choose "Settings" and go to "Setup" (🔧) menu. From "Setup" menu, select "Factory Settings". Then select "Yes" and press ⊕. Your TV will go blank for a few seconds, then the "Initial Setup" menu will appear. Your TV will be set to factory settings, but certain problems may be solved.

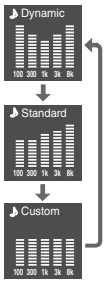
Symptom	Solutions
Snowy picture, noisy sound	• Check the antenna cable and connection on the TV, VCR and at the wall (see F). • Check the antenna setup. Contact a Sony dealer for advice. • Preset the channel again (see M). • Display the "Channel Setup" menu and set the "Signal Booster" to "Auto" (see M). • Try using an external booster.
Distorted picture, noisy sound	• Turn off or disconnect the external booster if it is in use. • Display the "Channel Setup" menu and set the "Signal Booster" to "Off" (see M).
No picture, no sound	• Check the power cord, antenna and VCR connections (see F). • Press I/⏻ (power) to turn on the TV (see H). • Press ⏻ (main power) on the TV to turn off the TV for about five seconds, then turn it on again (see E).
Good picture, no sound	• Press + to increase the volume level (see H). • Press 🔇 to cancel the muting (see H).
Dotted lines or stripes	• Do not use a hair dryer or other equipment near the TV. • Check the antenna setup. Contact a Sony dealer for advice.
Double images or "ghosts"	• Use a highly directional antenna. • Check the antenna setup. Contact a Sony dealer for advice. • Turn off or disconnect the external booster if it is in use.
No color	• Display the "Picture" menu and select "Custom" from "Picture Mode", then adjust the "Color" level from "Picture Adjustment" (see K). • Display the "Setup" menu and check the "Color System" setting (usually set this to "Auto") (for video input only) (see N). • Check the antenna setup. Contact a Sony dealer for advice.

Troubleshooting (continued)

Symptom	Solutions
Picture slant	• Keep external speakers or other electrical equipment away from the TV. • Display the "Setup" menu and adjust "Picture Rotation" so that the picture position is optimal (KV-BZ21N50 only) (see N).
Abnormal color patches	• Keep external speakers or other equipment away from the TV. Do not move the TV while the TV is turned on. Press ⏻ (main power) on the TV to turn off the TV for about 15 minutes, then turn it on again to demagnetize the TV.
The ⏻ (standby) indicator on your TV flashes red several times after every three seconds.	• Count the number of times the ⏻ (standby) indicator flashes. Press ⏻ (main power) to turn off your TV. Contact your nearest Sony service center.
The TV screen sometimes goes blank for slightly longer than usual during channel change.	• The "Signal Booster" is functioning to detect a weak signal. This does not indicate a malfunction.
TV cabinet creaks.	• Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.
A small "boom" sound is heard when the TV is turned on.	• The TV's demagnetizing function is working. This does not indicate a malfunction.

H Using the remote control and basic functions

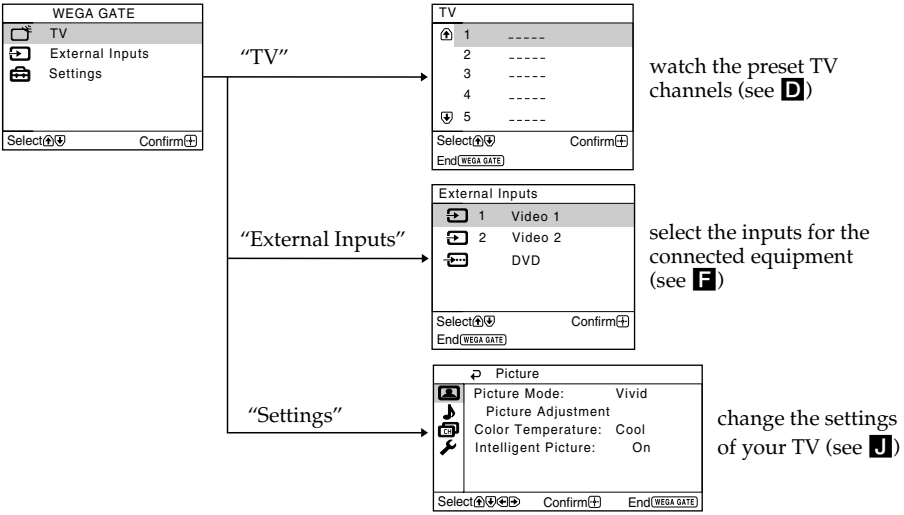


Button	Description	See
❶ I/⏻	Turn off temporarily or turn on the TV.	–
❷ ▭	Display the TV program.	–
❸ ↻	Jump to last program number that has been watched for at least five seconds.	–
❹ PROG +/–	Select program number.	–
❺ ◿ +/–	Adjust volume.	–
❽ ▦	Not function for your TV.	–
❾ ⇔ (KV-BZ21N50 only)	Select surround mode options: “On”, “Simulated”, “Off”.	L
❿ i+	Display on-screen information.	–
⓫ 🔇	Mute the sound.	–
⓭ →	Select TV or video input.	F
⓮ 0 – 9	Input numbers.	–
⓳ ♪ (KV-BZ21N50 only) 	Select sound mode options with a 5-Band Graphic Equalizer display: “Dynamic”, “Standard”, “Custom”*. * When the “Custom” mode is selected, you can receive the last adjusted sound settings from the “Sound Adjustment” option in the menu.	L
⓴ ☼	Select picture mode options: “Vivid”, “Standard”, “Custom”*. * When the “Custom” mode is selected, you can receive the last adjusted picture settings from the “Picture Adjustment” option in the menu.	K

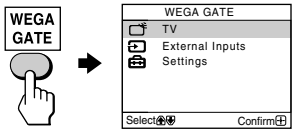
Button	Description	See
WEGA GATE menu operations		
❻ ⊕	Confirm selected items.	I
❼ WEGA GATE	Display or cancel WEGA GATE menu.	
⓱ ↑, ↓, ←, →	Select and adjust items.	
⓲ RETURN	Return to the previous level.	
Timer operations		
⓯ ◴ (Wake Up Timer)	Set TV to turn on automatically according to the desired period of time (max. of 12 hours). The ◴ indicator on TV lights up amber once you set the wake up timer. If no buttons or controls are pressed for more than one hour after the TV is turned on using the wake up timer, the TV automatically goes into standby mode.	–
⓰ ◴ (Sleep Timer)	Set TV to turn off automatically according to the desired period of time (max. of one hour and 30 min.).	–
Teletext operations (green labels)		
☰, ⓘ, ⊕, ⊠, ?, ⇕, ▲, ▼, ■ (red, green, yellow, blue)	Not function for your TV.	–
PIP operations		
◨, ⇄, ↑, ↓, ←, →	Not function for your TV.	–
Stereo/bilingual operations		
⓬ A/B	Not function for your TV.	–

I Introducing the WEGA GATE navigator

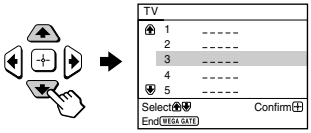
WEGA GATE is a gateway that allows you to access to preset TV channels, connected external inputs and "Settings" menu.



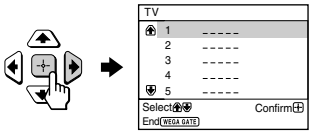
How to use WEGA GATE



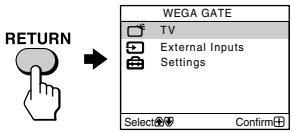
(1) Press WEGA GATE to display or cancel the WEGA GATE menu.



(3) Press ↑ or ↓ to select the desired item.



(2) Press ⊕ (or →) to confirm your selection or go to the next level.



(4) Press RETURN to move to the previous level.

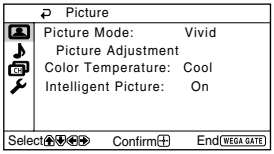
Tip

- The WEGA GATE, ⊕ and ↑,↓,←,→ buttons on the top control panel can also be used for the operations above.

J "Settings" Adjustment

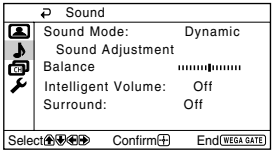
You are able to change the settings of your TV from "Settings" in WEGA GATE menu.
Press WEGA GATE button to display WEGA GATE menu. Press ↑ or ↓ to select "Settings" and press ⊕.

The following is an overview of the items that can be adjusted.



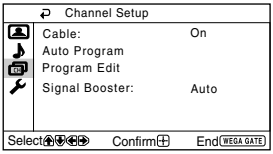
"Picture" (see K)

"Picture Mode": "Vivid" → "Standard" → "Custom"
"Picture Adjustment": "Picture", "Brightness", "Color", "Hue", "Sharpness", "Reset"
"Color Temparature": "Cool" → "Neutral" → "Warm"
"Intelligent Picture": "On" → "Off"



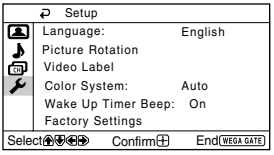
"Sound" (see L)

"Sound Mode": "Dynamic" → "Standard" → "Custom" (KV-BZ21N50 only)
"Sound Adjustment": "Adjust", "Reset" (KV-BZ21N50 only)
"Balance" (KV-BZ21N50 only)
"Intelligent Volume": "On" → "Off"
"Surround": "On" → "Simulated" → "Off" (KV-BZ21N50 only)



"Channel Setup" (see M)

"Cable": "On" → "Off"
"Auto Program"
"Program Edit"
"Signal Booster": "Auto" → "Off"



"Setup" (see N)

"Language": "English" → "中文" (Chinese)
"Picture Rotation" (KV-BZ21N50 only)
"Video Label": "Video Input", "Label"
"Color System": "Auto" → "PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43" (for video input only)
"Wake Up Timer Beep": "On" → "Off" (KV-BZ21N50 only)
"Factory Settings": "Yes" → "No"

Note

- When a feature is dimmed in the menu, it is not selectable.

K Changing the “Picture” setting

The “Picture” menu allows you to adjust the picture settings.

1 Press WEGA GATE and select “Settings”.

2 Make sure the “Picture” icon ( ) is selected, then press ⊕.

3 Press ↑ or ↓ to select the desired item (e.g., “Picture Mode”), then press ⊕.

Select	To
“Picture Mode”	choose either “Vivid” (contrast and sharp), “Standard” (normal) or “Custom”*.
“Color Temperature”	adjust white color tint. Choose either “Cool” (blue tint), “Neutral” (neutral tint) or “Warm” (red tint).
“Intelligent Picture”	optimize picture quality. Press ↑ or ↓ to select “On”, then press ⊕. To cancel, select “Off”, then press ⊕.

* You can adjust the setting to your personal preference in the “Picture Adjustment” and “Color Temperature” options only when the “Custom” mode is selected.

Adjusting the “Picture Adjustment” items under “Custom” mode

1 Press ↑ or ↓ to select either “Picture” (contrast), “Brightness”, “Color”, “Hue” (color tones) or “Sharpness”, then press ⊕.

Selecting “Reset” will set your TV to the factory settings.

2 Press ↑,↓,← or → to adjust the setting of your selected item, then press ⊕.

3 Repeat the above steps to adjust other items.

The adjusted settings will be received when you select “Custom”.

Note

- Reducing “Sharpness” can also reduce picture noise.

L Changing the “Sound” setting

The “Sound” menu allows you to adjust the sound settings.

1 Press WEGA GATE and select “Settings”.

2 Press ↑ or ↓ to select the “Sound” icon (♪), then press ⊕.

3 Press ↑ or ↓ to select the desired item (e.g., “Sound Mode”), then press ⊕.

Select	To
“Sound Mode” (KV-BZ21N50 only)	choose either “Dynamic” (low and high tones), “Standard” (voice and high tones) or “Custom”*.
“Balance” (KV-BZ21N50 only)	Press ↓ or ← to emphasize the left speaker. Press ↑ or → to emphasize the right speaker.
“Intelligent Volume”	adjust the volume of all program numbers and video inputs automatically. Press ↑ or ↓ to select “On”, then press ⊕. To cancel, select “Off”, then press ⊕.
“Surround” (KV-BZ21N50 only)	choose either “On” (surround), “Simulated” (stereo-like monaural sound) or “Off”.

* You can adjust the setting to your personal preference in the “Sound Adjustment” option only when the “Custom” mode is selected.

Adjusting the “Sound Adjustment” item under “Custom” mode (KV-BZ21N50 only)

The 5-Band Graphic Equalizer feature allows you to adjust sound frequency settings of “Custom” mode in the menu.

1 Make sure that “Adjust” is selected, then press ⊕.

Selecting “Reset” will set your TV to the factory settings.

2 Press ← or → to select the desired sound frequency, then press ↑ or ↓ to adjust the setting and press ⊕.

The adjusted settings will be received when you select “Custom”.

Notes

- Adjusting higher frequency will affect higher pitched sound and adjusting lower frequency will affect lower pitched sound.
- You may display the settings directly using the SOUND MODE button on the top control panel (see E) or ♪ button on the remote control (see H).

M Changing the “Channel Setup” setting

The “Channel Setup” menu allows you to receive cable TV programs, preset channels automatically, edit the channels and set the signal booster.

1 Press WEGA GATE and select “Settings”.

2 Press ↑ or ↓ to select the “Channel Setup” icon (CH), then press ⊕.

3 Press ↑ or ↓ to select the desired item (e.g., “Cable”), then press ⊕.

Select	To
“Cable”	receive cable TV programs. Press ↑ or ↓ to select “On”, then press ⊕. If you select “Cable: On”, you will be able to receive 125 cable TV channels. If there are no cable TV channels, you will receive VHF broadcast channels only. To receive only VHF and UHF broadcast channels, select “Off”, then press ⊕.
“Auto Program”	preset channels automatically.
“Program Edit”	label the program number, skip the program number and block unwanted programs. (see step 3 of the section “Initial Setup” in D).
“Signal Booster”	improve the picture quality if the TV signal is too strong or weak. Press ↑ or ↓ to select either “Off” if the signal is too strong (picture distorted; picture with lines; signal interference) or “Auto” if the signal is weak (snowy picture), then press ⊕.

Changing the “Setup” setting

The “Setup” menu allows you to change the menu language, adjust the picture position, label the connected equipment, select the color system, set the wake up timer beep and reset your TV to factory settings.

1 Press WEGA GATE and select “Settings”.

2 Press ↑ or ↓ to select the “Setup” icon (🔧), then press ⊕.

3 Press ↑ or ↓ to select the desired item (e.g., “Language”), then press ⊕.

Select	To
“Language”	change the menu language. Press ↑ or ↓ to select either “English” or “中文” (Chinese), then press ⊕.
“Picture Rotation” (KV-BZ21N50 only)	adjust the picture position when it is not aligned with the TV screen. Press ← or → to adjust the picture position, then press ⊕.
“Video Label”	label the connected equipment. (1) Select “Video Input” and press ⊕. Press ↑ or ↓ to select the input you want to label, then press ⊕. (2) Select “Label” and press ⊕, then press ↑ or ↓ to select the label options: “Video 1”/“Video 2”/“DVD” (KV-BZ21N50 only), “VCR”, “SAT”, “Game” or “Edit”*. * You may edit the video label to your favorite name. Press ↑ or ↓ to select alphanumeric characters for the label, then press ⊕.
“Color System”	select the color system (for video input only). Press ↑ or ↓ to select either “Auto”, “PAL”, “SECAM”, “NTSC3.58” or “NTSC4.43”, then press ⊕. Normally, set this to “Auto”.
“Wake Up Timer Beep” (KV-BZ21N50 only)	allow your TV to emit beeping sound when TV switches on automatically using wake up timer. Press ↑ or ↓ to select “On”, then press ⊕. To cancel, select “Off”, then press ⊕.
“Factory Settings”	reset your TV to factory settings. Press ⊕ and press ↑ or ↓ to select “Yes”, then press ⊕. To cancel, select “No”, then press ⊕.

Notes

- To ensure the beeping sound can be heard, you must set an appropriate volume level on your TV and make sure the TV is not in mute condition.
- To stop the beeping sound, press any buttons on the remote control or top control panel.
- If no button is pressed for three minutes, the beeping sound will automatically go off.